

ABSTRACT

The invention relates to a process and to a device for the incorporation of a compound in the pores of a porous material chosen from microporous and mesoporous materials obtained by the sol-gel process and to the uses of this process and of this device.

The process comprises the evaporation or the sublimation of the compound in a chamber comprising the porous material.

Uses: doping of microporous and mesoporous materials obtained by the sol-gel process and in particular of micelle-templated silica materials, in the manufacture of chemical sensors and multisensors, of molecular sieves, of selective membranes for filtration, of stationary phases for chromatography, or of optical or optoelectronic materials.